

Docket No.

14633

## Declaration For Patent Application

### English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**COMMUNICATION CHANNEL OPTIMIZATION SYSTEMS AND METHODS IN MULTI-USER  
COMMUNICATION SYSTEMS**

the specification of which

(check one)

is attached hereto.

was filed on \_\_\_\_\_ as United States Application No. or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior applications and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

<u>60/517,389</u>	<u>November 6, 2003</u>
(Application Serial No.)	(Filing Date)
<u>60/517,893</u>	<u>November 7, 2003</u>
(Application Serial No.)	(Filing Date)
<hr/>	
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<hr/>	<hr/>	<hr/>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
<hr/>	<hr/>	<hr/>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
<hr/>	<hr/>	<hr/>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor <b>TONG, Wen</b>	
Sole or first inventor's signature	Date
Residence <b>Ottawa, Ontario, Canada</b>	
Citizenship <b>CANADIAN</b>	
Post Office Address <b>12 Whitestone Drive, Ottawa, Ontario, Canada, K2C 4A7</b>	

Full name of second inventor, if any <b>JIA, Ming</b>	
Second inventor's signature	Date
Residence <b>Ottawa, Ontario, Canada</b>	
Citizenship <b>CANADIAN</b>	
Post Office Address <b>609-320 Croydon Avenue, Ottawa, Ontario, Canada, K2B 5P3</b>	

Full name of third inventor, if any <b>ZHU, Peiying</b>	
Third inventor's signature	Date
Residence <b>Kanata, Ontario, Canada</b>	
Citizenship <b>CANADIAN</b>	
Post Office Address <b>16 Pebble Creek Crescent, Kanata, Ontario, Canada, K2M 2L4</b>	

Full name of fourth inventor, if any <b>CHLOMA, Alexandre M.</b>	
Fourth inventor's signature	Date
Residence <b>Moskovskaja Oblast, Russian Federation</b>	
Citizenship <b>RUSSIAN</b>	
Post Office Address <b>s. Zhukovski, ul. Gagavina, Moskovskaja Oblast 140160, Russian Federation</b>	

Full name of fifth inventor, if any <b>BAKOULINE, Mikhail G.</b>	
Fifth inventor's signature	Date
Residence <b>Moskovskaja Oblast, Russian Federation</b>	
Citizenship <b>RUSSIAN</b>	
Post Office Address <b>s. Podolsk, ul. Kirova, d. 35, kv. 31, Moskovskaja Oblast 142110, Russian Federation</b>	

Full name of sixth inventor, if any <b>KREINDELIN, Vitali B.</b>	
Sixth inventor's signature	Date
Residence <b>g. Moskva, Russian Federation</b>	
Citizenship <b>RUSSIAN</b>	
Post Office Address <b>ul. Grajvoronovskaja, d.8, kor. 1, kv. 87, g. Moskva 109518, Russian Federation</b>	

Full name of seventh inventor, if any	
Seventh inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of eighth inventor, if	
Eighth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

PATENT/DOCKET NO.  
CUSTOMER NO. 000293

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: § Attorney Docket No. 14633  
§  
Serial No.: n/a §  
§  
Filed: Herewith § Group Art Unit: n/a  
§  
Title: COMMUNICATION CHANNEL § Examiner: n/a  
OPTIMIZATION SYSTEMS AND METHODS §  
IN MULTI-USER COMMUNICATION §  
SYSTEMS §

Commissioner for Patents  
Alexandria, VA 22313-1450

POWER OF ATTORNEY FOR  
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

**Nortel Networks Limited  
2351 Boulevard Alfred-Nobel  
St. Laurent, Quebec H4S 2A9, Canada**

the owner by assignment of the entire right, title and interest to the invention for  
**COMMUNICATION CHANNEL OPTIMIZATION SYSTEMS AND METHODS  
IN MULTI-USER COMMUNICATION SYSTEMS**, by **TONG, Wen, JIA, Ming,  
ZHU, Peiying, CHLOMA, Alexandre M., BAKOULINE, Mikhail G. and  
KREINDELIN, Vitali B.** and in and to the application for patent and any Letters  
Patent, whether domestic or foreign, that may issue thereon, by virtue of the assignment:

- Recorded Concurrently Herewith
- Recorded on \_\_\_\_\_
- Recorded at Reel \_\_\_\_\_ Frame \_\_\_\_\_
- Copy Attached

hereby appoints the following attorneys and/or agents to prosecute this application and  
transact all business in the Patent and Trademark Office connected therewith:

A. DAVID MORROW (Reg. No. 28,816)  
ROBERT D. GOULD (Reg. No. 27,523)  
THOMAS R. KELLY (Reg. No. 29,244)  
TOKUO HIRAMA (Reg. No. 32,551)  
KOHJI SUZUKI (Reg. No. 44,467)  
R. JOHN HALEY (Reg. No. 29,502)  
THUY HUONG NGUYEN (Reg. No. 47,336)  
DAVID E. SCHWARTZ (Reg. No. 48,211)  
STEVEN B. GARLAND (Reg. No. 50,003)  
COLIN B. INGRAM (Reg. No. 52,437)  
DAPHNE L. MARAVEI (Reg. No. 53881)  
DAVID M. WALTERS (Reg. No. 53,904)

JAMES McGRAW (Reg. No. 28,168)  
JOHN BOCHNOVIC (Reg. No. 29,229)  
JOY D. MORROW (Reg. No. 30,911)  
R. ALLAN BRETT (Reg. No. 40,476)  
PHILIP D. LAPIN (Reg. No. 44,443)  
CHRISTINE N. GENGE (Reg. No. 45,405)  
KEVIN K. GRAHAM (Reg. No. 47,365)  
ELLIOTT S. SIMCOE (Reg. No. 50,010)  
SOHRAB SABET (Reg. No. 30,723)  
ELIZABETH A. HAYES-QUEBEC (Reg. No. 48,305)  
DAPHNE C. RIPLEY (Reg. No. 53882)  
RALPH A. DOWELL (Reg. No. 26,868)

PLEASE SEND CORRESPONDENCE TO: DOWELL & DOWELL, P.C.

1215 Jefferson Davis Highway  
Suite 309  
Arlington, Virginia 22202-3124  
U.S.A.

## **CUSTOMER NO. 000293**

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

The undersigned is the representative for the Assignee of the entire right, title, and interest in the patent application identified above, and is authorized to act on behalf of the Assignee.

NORTEL NETWORKS LIMITED

---

Date

---

Name:

---

Title